

Adding L00 to the Parametric Model

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-To begin with a statement: I won't have too much time to devote to this since I am trying to re-bless in a short period of time my Analysis and graduate.

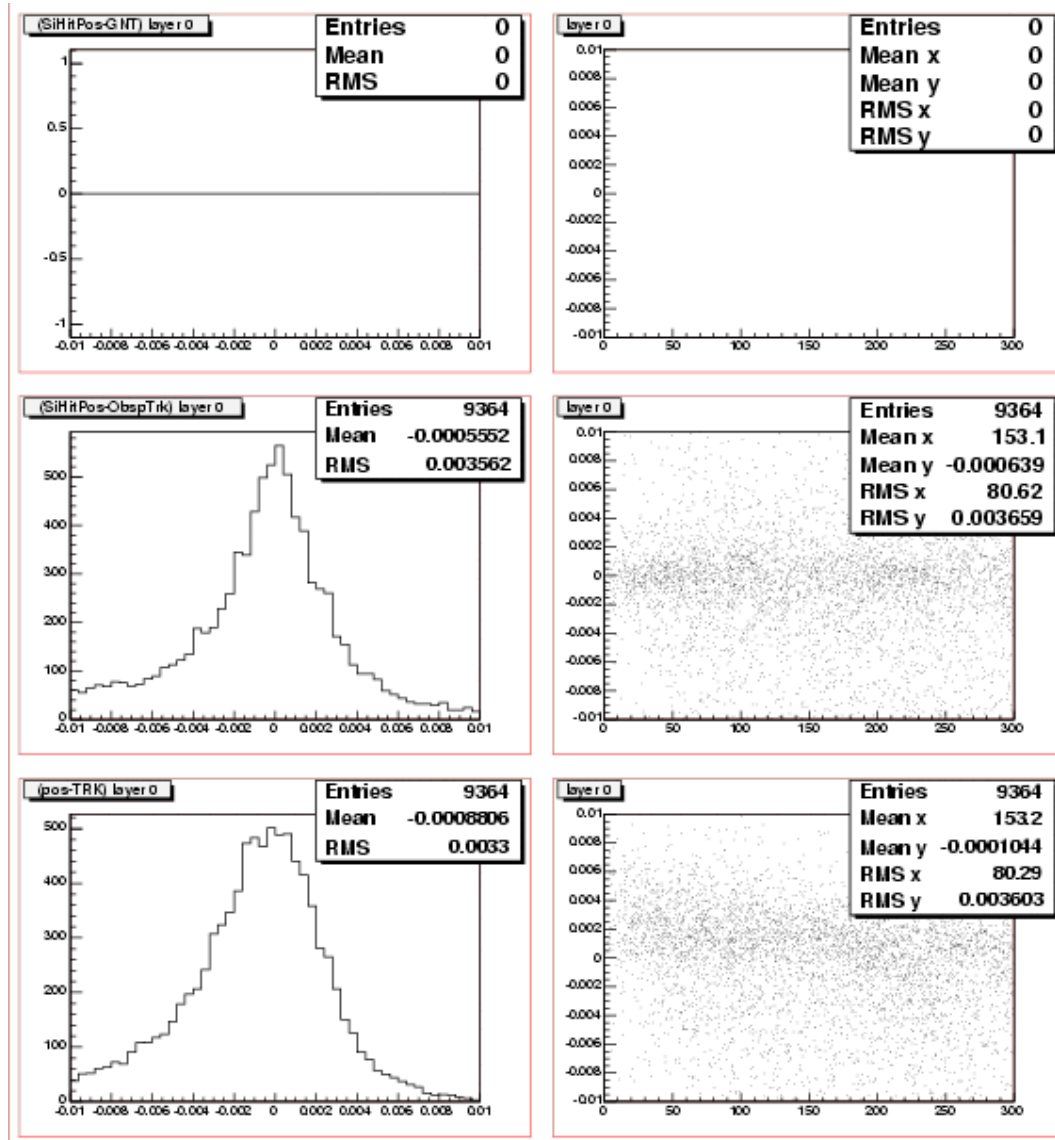
STEPS:

-The methods used for charge deposition, charge sharing, delta rays, etc.. Are all possible to be used in the L00 simulation, they just require some re-coding to fix for the new geometry

-Currently L00 is filled by the Geometric model, and the other layers are Filled by the Parametric model.

-To begin with we will do some preliminary studies (Mostly S. Levy), to See how good of a Job the Geometric model is doing compared to data

-S. Levy has produced some ntuples with fake events, below are some residual Plots I made, there are just preliminary (later we will compare with the data)



-First Problem:
Geant Quantities are
not being filled in
geometric Model

-To do a better evaluation we need to compare with data also Charge Distributions and cluster width distributions

-The code I had used for this comparisons, with quality cuts included, Were made for the Duke Ntuple

-I am currently translating this macro into the SiHitAnalyser ntuple

-When I am done I will get the macro to S. Levy.

Also I am setting up a Webpage with all of the information and A draft of an unreleased CDF note, which will be fully released when We add the L00 to the Parametric Model.